

M795 High Explosive (HE) Projectile (M795 HE)

Description

The M795 HE will improve the overall effectiveness of the 155mm artillery weapon system by using technological improvements to increase the anti-personnel and anti-material effectiveness, accuracy, and range as compared to the currently fielded M107. The M795 has a welded rotating band that allows it to be fired with the M119 and M203 propelling charges, thus generating an additional six kilometers in range (to 22km) and 30 percent greater lethality than the M107.

The M795 will also be used to determine registration corrections for expeditious computation of range, deflection and fuze setting corrections for use with other members of ballistically similar projectiles.

Operational Impact

The M795 HE will enhance a commander's ability to mass artillery fires without massing platforms to increase survivability. Enhanced range and lethality will facilitate the attack of deeper targets including control points, logistical sites, and air-defense sites. The additional range will also permit Marine Corps artillery units to attack deep targets in support of Marine Air Ground Task Force (MAGTF) objectives, and will reduce the need for artillery units to displace in order to provide support to highly mobile ground combat units. The increased explosive payload and more effective fragmentation pattern will improve the lethal effects against enemy ground-based fire support systems, light armored vehicles, standing, and prone personnel.

Program Status

The M795 projectile is an Army program and is currently in production. The Marine Corps has adopted the U.S Army requirements for the M795 projectile and is proceeding with safety review board testing and a production decision.

<i>Procurement Profile:</i>	<i>FY01</i>	<i>FY02</i>
<i>Quantity:</i>	30,269	21,616

Developer/Manufacturer

Chamberlin Corporation, Scranton, PA